NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO.NC/QC/YPD/2020-21/SB/W5

Date: 25-03-2021

To,
The Executive Engineer,
Yelahanka Project Division
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work: Improvements to roads and drains in ward no.05 Surrounding area, Byatarayanapura sub division

Item No	Description of work	Unit	Qty	Remarks
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1,KPWD	Cum	2881.19	Work done upto the Billed Quantity and the Quality is Satisfactory
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration	Cum	454.56	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks	Tn	72.74	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering,	Cum	739.10	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	872.37	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer	Sqm	40.08	Work done upto the Billed Quantity and the Quality is Satisfactory
7	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications	Cum	1860.56	Work done upto the Billed Quantity and the Quality is Satisfactory
8	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147,KPWD SR 2018-19)	Sqm	6201.88	Work done upto the Billed Quantity and the Quality is Satisfactory

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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Item No	Description of work	Unit	Qty	Remarks
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on	Cum	930.28	Work done upto the Billed Quantity and the Quality is Satisfactory
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with	Cum	1171.10	Work done upto the Billed Quantity and the Quality is Satisfactory
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH	Sqm	5204.90	Work done upto the Billed Quantity and the Quality is Satisfactory
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per	Sqm	5204.90	Work done upto the Billed Quantity and the Quality is Satisfactory
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory	Cum	260.25	Work done upto the Billed Quantity and the Quality is Satisfactory
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth	Cum	208.20	Work done upto the Billed Quantity and the Quality is Satisfactory
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5	Sqm	172.06	Work done upto the Billed Quantity and the Quality is Satisfactory
E1	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification.	Cum	208.59	Work done upto the Billed Quantity and the Quality is Satisfactory
E2	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS: 383 maximum size of coarse	Cum	149.55	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

Asst. Executive Engineer
Project Division
Yelahanka, Zone
BBMP, Bangalore

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NEW TECHNOLOGIES TO INNOVATE

NO.NC/QC/YPD/2020-21/SB/W5

Date: 25-03-2021

To,
The Executive Engineer,
Yelahanka Project Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Improvements to roads and drains in ward no.05 Surrounding area, Byatarayanapura sub division

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
1	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.80cum and fine aggregates	Cum	454.56	5	Per 100 cum	Meets Morth V Revision Standards
2	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required tying with	Tn	72.74	2	Per each dia	Meets Morth V Revision Standards
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.60 cum and fine	Cum	739.10	16	Per 50 cum	Meets Morth V Revision Standards
4	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material mixing in a mechanical mix plant	Cum	930.28	3	Per 400 cum	Meets Morth V Revision Standards
5	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in	Cum	1171.10	6	Per 200 cum	Meets Morth V Revision Standards
6	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to	Cum	260.25	6	Per 50 cum	Meets Morth V Revision Standards

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Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
7	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and	Cum	208.20	5	Per 50 cum	Meets Morth V Revision Standards
8	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement	Cum	149.55	6	Per 100 cum	Meets Morth V Revision Standards

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill. The all the samples satisfies the standards requirements as per MORTH V Revision 2013.

Thanking you,

With Regards,

For Newzen Consultants Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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